

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
9 September 2005 (09.09.2005)

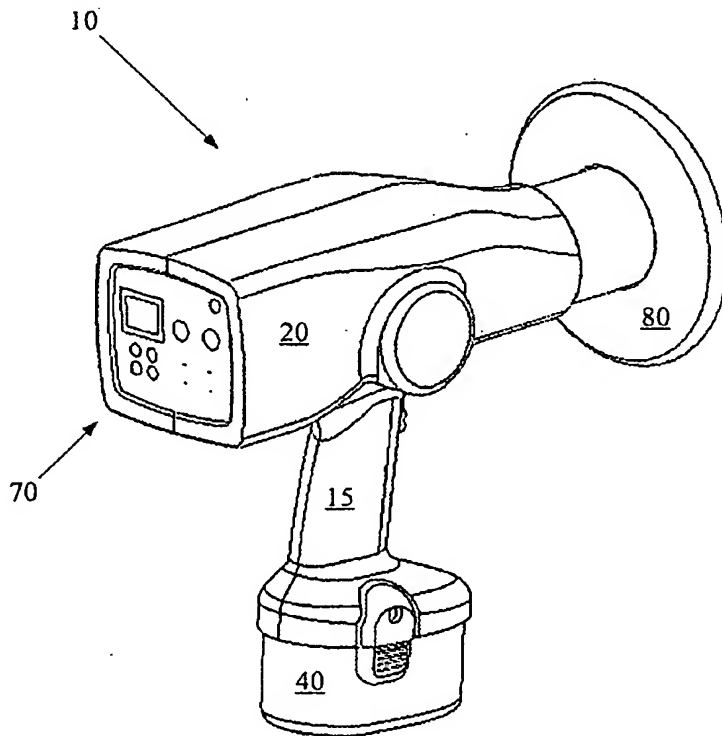
PCT

(10) International Publication Number  
**WO 2005/081956 A2**

- (51) International Patent Classification: Not classified  
(21) International Application Number: PCT/US2005/005712  
(22) International Filing Date: 18 February 2005 (18.02.2005)  
(25) Filing Language: English  
(26) Publication Language: English  
(30) Priority Data: 60/546,575 20 February 2004 (20.02.2004) US  
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.  
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

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(54) Title: PORTABLE X-RAY DEVICE



(57) Abstract: Portable x-ray devices and methods for using such devices are described. The devices have an x-ray tube powered by an integrated power system. The x-ray tube is shielded with a low-density insulating material containing a high-Z substance. The devices can also have an integrated display component. With these components, the size and weight of the x-ray devices can be reduced, and the portability of the devices enhanced. Thus, the portable x-ray devices are especially useful for applications where portability is an important feature such as in field work, remote operations, and mobile operations such nursing homes, home healthcare, teaching classrooms. This portability feature can be particularly useful in multi-suite medical and dental offices where a single x-ray device can be used in multiple offices instead of single using an x-ray device in each office.

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